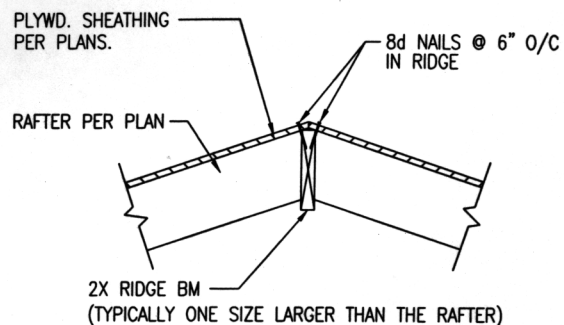


# NOTES:

- 1- THIS ROOF FRAMING DESIGN REQUIRES THAT CONTINUOUS 2X CEILING JOISTS BE PROVIDED AND ATTACHED TO EACH RAFTER AT THE TOP PLATE LINE PER DETAIL C SHEET RSD2.0.
- 2- DETAIL IS NOT APPLICABLE TO VAULTED CEILING TYPE OF CONSTRUCTION.

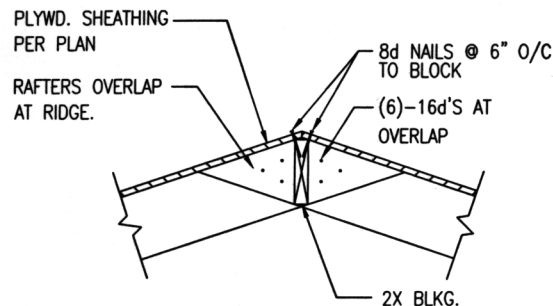


TYPICAL RIDGE CONNECTION

A

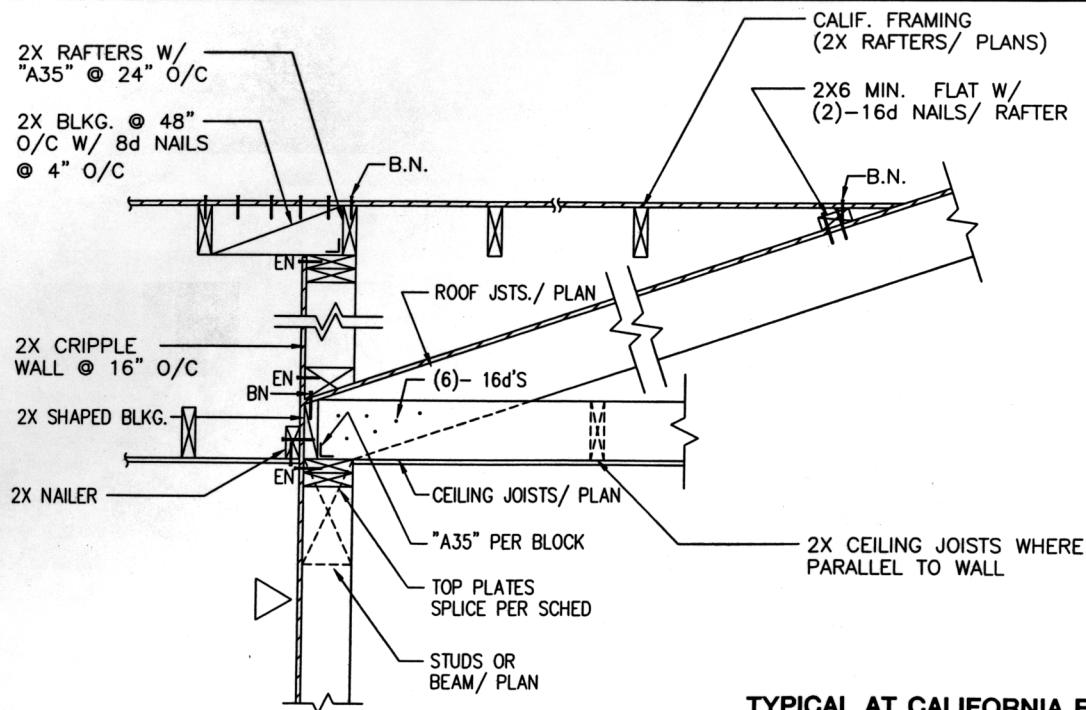
# NOTES:

- 1- THIS ROOF FRAMING DESIGN REQUIRES THAT CONTINUOUS 2X CEILING JOISTS BE PROVIDED AND ATTACHED TO EACH RAFTER AT THE TOP PLATE LINE PER DETAIL C SHEET RSD2.0.
- 2- DETAIL IS NOT APPLICABLE TO VAULTED CEILING TYPE OF CONSTRUCTION.



TYPICAL RIDGE CONNECTION

B



TYPICAL AT CALIFORNIA FRAMING

C

# FRAMING NOTES:

- 1- ALL NAILING SHALL BE COMMON NAILS
- 2- FRAMING CONNECTORS PER ICBO APPROVED SIMPSON'S MANUFACTURER. OTHER ICBO APPROVED MANUFACTURERS ARE ALLOWED WITH EQUAL OR LARGER ALLOWABLE LOAD VALUES.
- 3- BN: BOUNDARY NAILING  
EN: EDGE NAILING  
SN: SILL PLATE NAILING  
FN: FIELD NAILING

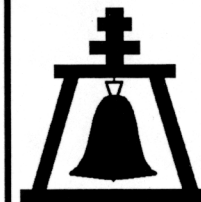
△ SHEAR WALL PER PLANS WHERE REQUIRED

## 4- NOTCHES & BORED HOLES:

VERTICAL STUDS		2X4	2X6	2X8	2X10	2X12
NOTCHES:						
BEARING WALLS	25% W	7/8"	1-3/8"	1-7/8"	2-3/8"	2-7/8"
NON-BEARING WALLS <sup>1</sup>	40% W	1-3/8"	2-1/4"	2-7/8"	3-3/4"	4-1/2"
BORED HOLES						
BEARING WALLS <sup>2</sup>	40% W	1-3/8"	2-1/4"	2-7/8"	3-3/4"	4-1/2"
NON-BEARING & DBL. STUDS <sup>3</sup>	60% W	2-1/8"	3-3/8"	4-3/8"	5-5/8"	6-3/4"
HORIZONTAL REPETITIVE MEMBERS <sup>4</sup>						
NOTCHES- END OF JOISTS	1/4 D	7/8"	1-3/8"	1-7/8"	2-3/8"	2-7/8"
UP TO 1/3 FROM EITHER END <sup>5</sup>	1/6 D	5/8"	1"	1-1/4"	1-1/2"	1-7/8"
BORED HOLES <sup>6</sup>	1/3 D	-	1-1/2"	2-1/2"	3-1/8"	3-3/4"

- 1 NON-BEARING WALLS SUPPORT NO LOADS OTHER THAN THE WEIGHT OF THE PARTITION.
- 2 HOLES CLOSER THAN 5/8" TO EDGE OF STUD ARE CONSIDERED TO BE NOTCHES.
- 3 ONLY TWO CONSECUTIVE BEARING STUDS MAY BE DOUBLED AND BORED TO 60% OF WIDTH.
- 4 REPETITIVE MEMBERS EQUAL 3 OR MORE PARALLEL MEMBERS AT A MAXIMUM OF 24" O.C.
- 5 NOTCHES ONE SIXTH THE DEPTH OF THE JOIST MAY BE IN THE TOP OR BOTTOM EDGE, BUT NEVER IN THE MIDDLE 1/3 OF THE SPAN.
- 6 BORED HOLES ARE NOT PERMITTED WITHIN 2" OF THE TOP OR BOTTOM EDGE OF JOISTS.
- 7 W = WIDTH OF STUD.
- 8 D = DEPTH OF JOIST OR RAFTER.
- 9 DIAMETER REDUCED DUE TO 2" EDGE REQUIREMENT, SEE FOOTNOTE 6.
- 10 NOTCHES IN BEAMS, POSTS AND CANTILEVERED JOISTS MUST BE SHOWN ON APPROVED PLANS.
- 11 NOTCHES NOT EXCEEDING 1/3 OF THE DEPTH ARE PERMITTED IN THE TOP OF THE RAFTER OR CEILING JOIST NO FURTHER FROM THE FACE OF THE SUPPORT THAN THE DEPTH OF THE MEMBER.

D



## CITY OF RIVERSIDE BUILDING & SAFETY DIVISION STANDRAD STRUCTURAL DETAILS

SCALE NONE

BK 06/2002  
DRAWN DATE

REV. DATE APPR.

1  
2  
3  
4  
5

ROOF  
FRAMING  
AND  
NOTCHING

RSD-3.0

SHEET